

REMARKS

Claims 1-43, 45, 46, and 48-73 are pending. Claims 1-11, 13-22, 25-39, 41, 43, 45, 46, 48-55, and 56-73 remain rejected. Claim 42 has been withdrawn from consideration.

Applicant thanks the Examiner for the allowance of claims 12, 23, 24, and 40.

Claims 1-11, 13-22, 25-39, 41, 43, 45, 46, 48-52, and 56-73 remain rejected under 35 U.S.C. § 103(a) as being unpatentable over Sharrit et al. (U.S. Patent No. 5,999,990) in view of Savitzky (U.S. Patent No. 5,337,412) and Songer et al. (U.S. Patent No. 6,763,327). Claims 53-55 remain rejected under 35 U.S.C. § 103(a) as being unpatentable over Sharrit et al. in view of Savitzky and Songer, and further in view of Kwon et al. (U.S. Patent No. 6,151,328).

Amended independent claim 1 recites "A virtual machine interface for a separate reconfigurable wireless network communication apparatus." Similarly, amended independent claim 13 recites "a virtual machine interface, a virtual machine and a separate reconfigurable apparatus." Amended independent claim 29 recites "a virtual machine interface and a separate reconfigurable multi-protocol communication apparatus." Amended independent claim 43 recites "providing a virtual machine interface, which is separate from the wireless network communication apparatus." Amended independent claim 46 recites "a virtual machine module, which is separate from the reconfigurable wireless network communication apparatus."

According to the portions of Songer referred to by the Examiner (*i.e.*, col. 7, lines 4-7, and col. 5, line 65, through col. 6, line 18), the Hardware Abstraction Layer (HAL) represents the configurable portion of a configurable processor and runs in the configurable processor. On the other hand, the claimed virtual machine interface (VMI) represents configurable kernels that are not part of, and do not represent any aspect of, the controller or processor in which the VMI runs.

Further, each of amended independent claims 1, 13, 29, 37, 43, and 46 recites that "each kernel ... is capable of running simultaneously with any of the plurality of kernels."

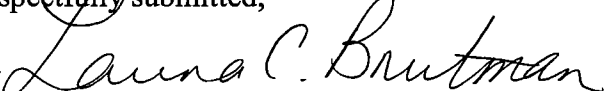
Songer states in col. 7, lines 4-7, that “Different versions of the RTOS kernel objects can be provided corresponding to various combinations of these configuration options which create execution stream incompatibility.” To a person of ordinary skill in the art, this statement indicates that only one of the RTOS kernel objects runs at any given time for a specific configuration of the configurable processor. On the other hand, each of the claimed kernels is capable of running simultaneously with any of the plurality of kernels.

The other applied references fail to make up for Songer’s deficiencies. Independent claims 1, 13, 29, 37, 43, and 46, along with their dependent claims, are therefore patentable over the applied references for at least these reasons.

In view of the above, Applicant believes the pending application is in condition for allowance.

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Respectfully submitted,

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